

Name: _____

Date: _____

Factoring Trinomials with a = 1**Part One: Factor each trinomial completely.**

1. $x^2 + 5x + 6$	2. $x^2 - x - 6$	3. $x^2 + x - 6$
4. $x^2 - 5x + 6$	5. $y^2 + 7y - 8$	6. $y^2 - 9y + 8$
7. $y^2 + 9y + 8$	8. $y^2 - 7y - 8$	9. $y^2 - 11y + 30$
10. $z^2 + 13z + 40$	11. $j^2 - 12j + 27$	12. $j^2 + 16j + 55$

Part Two: Mixed Polynomial Review:

13. $(5g^4 + 9g^3 - g^2 + 11g - 6)$ + $(6g^4 - 10g^3 + 16g^2 - 12)$	14. $(-8x^3 - 12x^4 + x^2 + 4x)$ - $(5x^3 + 3x^2 - 15x - 6)$
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